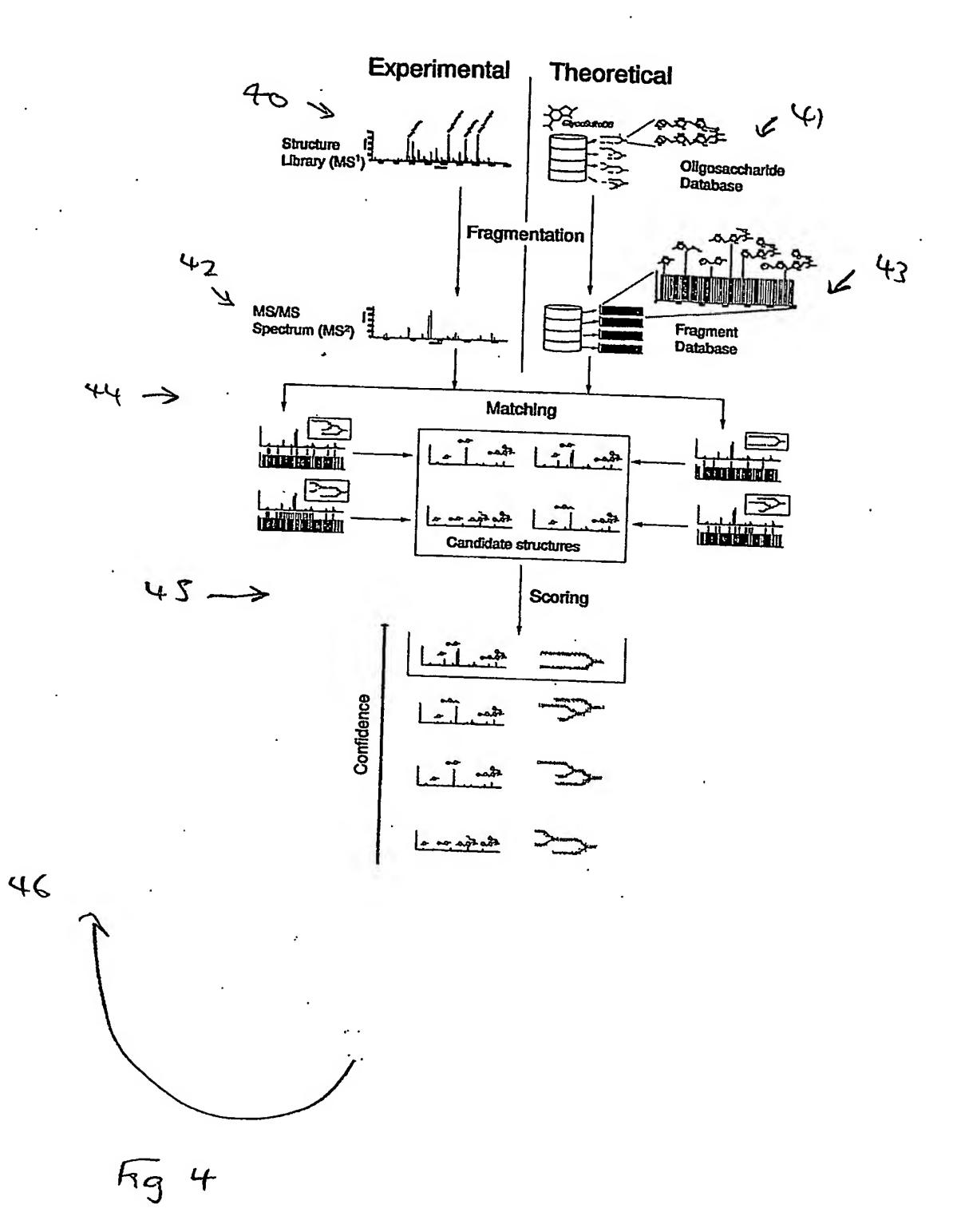
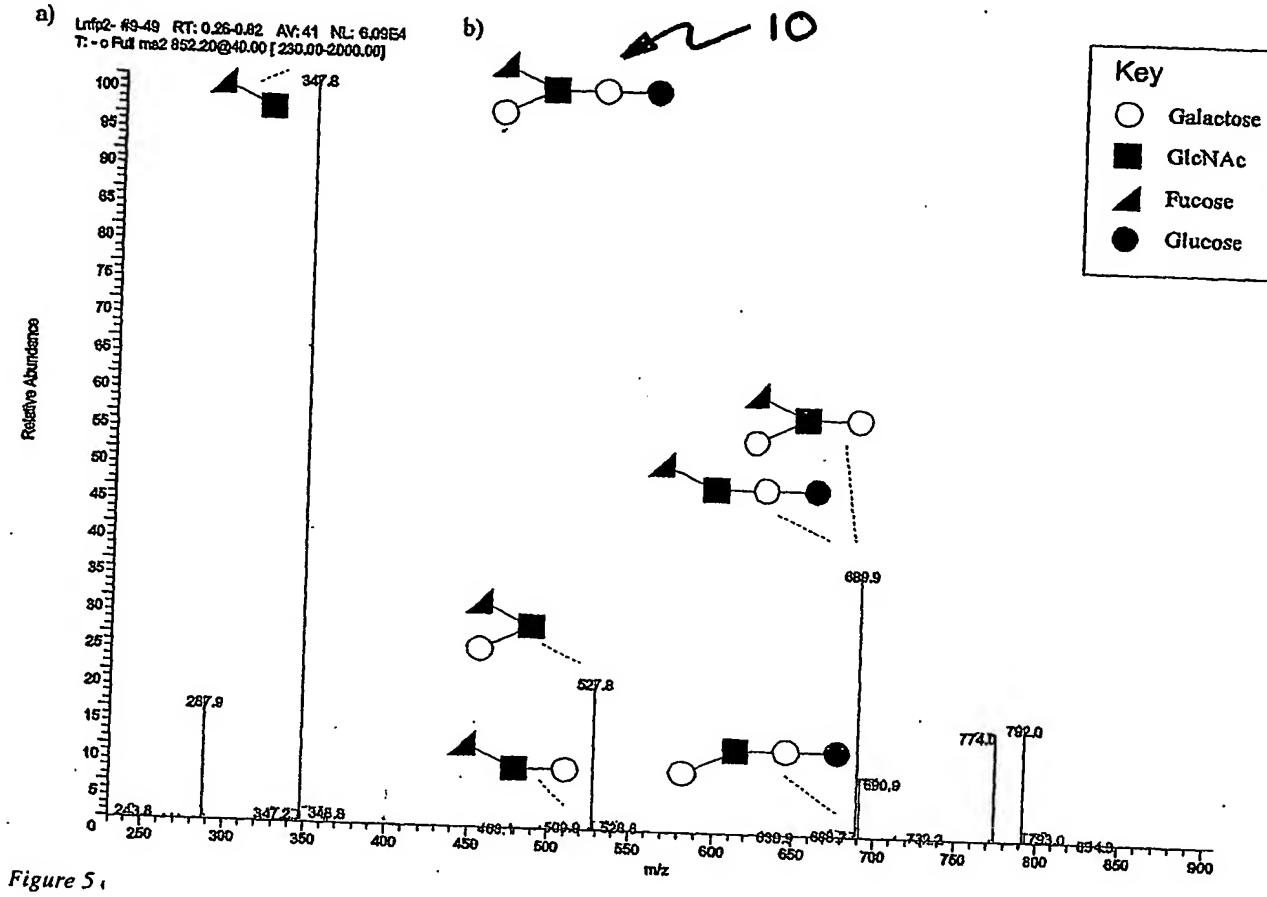


Figure 3;





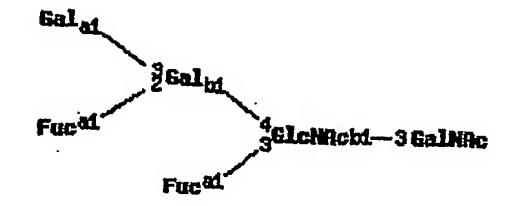


Figure 6 Oligosaccharide structure

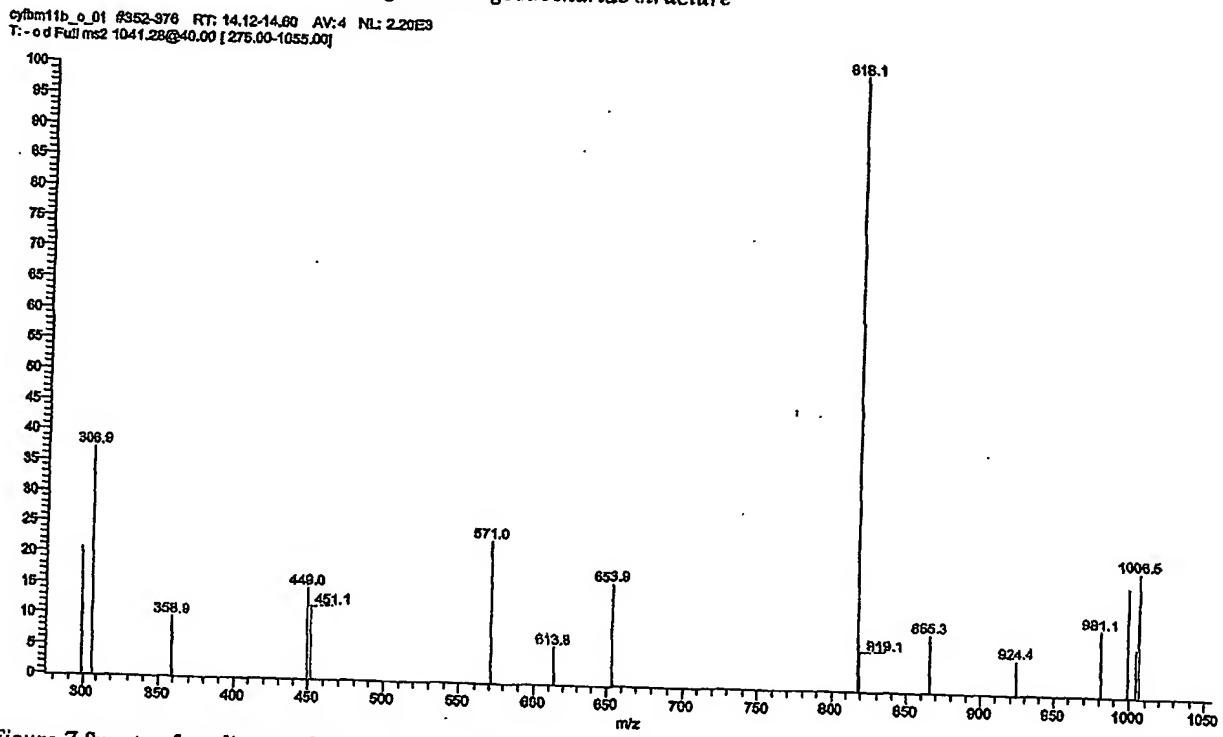


Figure 7 Spectra for oligosaccharide shown in Figure 6

Score	Missed intensities	Grouping score	Structure
.8	123.6	5 out of 5 using 4 double fragments	Gal _{ai} §Gal _{bi} Fuc ^{ai} §GleMebi—3 GalhRe
.8	156.32	5 out of 5 using 4 double fragments	Fuc 81 Fuc 81
.7	141.82	4 out of 5 using 2 double fragments	Fuc _{al} Glowrobi—3 Gal bi—3 Galkro Fuc al —2 Gal bi
.7	147.65	4 out of 5 using 2 double fragments	Fue al —— 2 Gal kii —— 3 Gal kii —— 3 Gal kiic —— 3 Gal ki
.7	162.15	4 out of 5 using 2 double fragments	Fuc a1 —— 2 Gal b1 —— 3 GalNAc

Fig 8a

Score	Missed Intensities	Grouping score	Structure
.65	266.98	4 out of 5 using 3 double fragments	Fuc at — 2 Galbi — 3 Galbico Fuc at — 3 Galbico Fuc
.45	286.4	3 out of 5 using 3 double fragments	Fuc ad 6 6 Man ad 6 Man bi 4 GlcMicbi 4 GlcMic 9 ad Fuc
.4	278.51	2 out of 5	Fue at —— 2 Gal bi —— 4 Glenne of Galvine of
.35	232.08	2 out of 5 with 1 double fragment counted	Fuc al—3 GlenAc _{b1} Gal _{a1} Galbi Fuc al Fuc al
.35	232.08	2 out of 5 using 1 double fragment	Fue ai — 3 GlcNAC _{b1} Gal _{b1} 3 GalNAC Fue ai

Fig 8b

Score	Missed Intensities	Grouping score	Structure
.35	235.24	2 out of 5 using 1 double fragment	Fucai — 2 Galbi — 6 Calhro — 6 Calhro — 9 bit Gal
.35	235.57	2 out of 5 using 1 double fragment	Fuc at 4 Glenre 5 Gainne Fuc at — 2 Galbi
.35	241.07	2 out of 5 using 1 double fragment	Fuc at —— 2 Gallar Gallarian —— 2 Gallarian — 6 Gallarian
35	255.57	2 out of 5 using 1 double fragment	Fuc at — 2 Galance

Fig. 8c

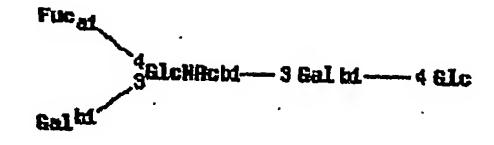


Figure 9

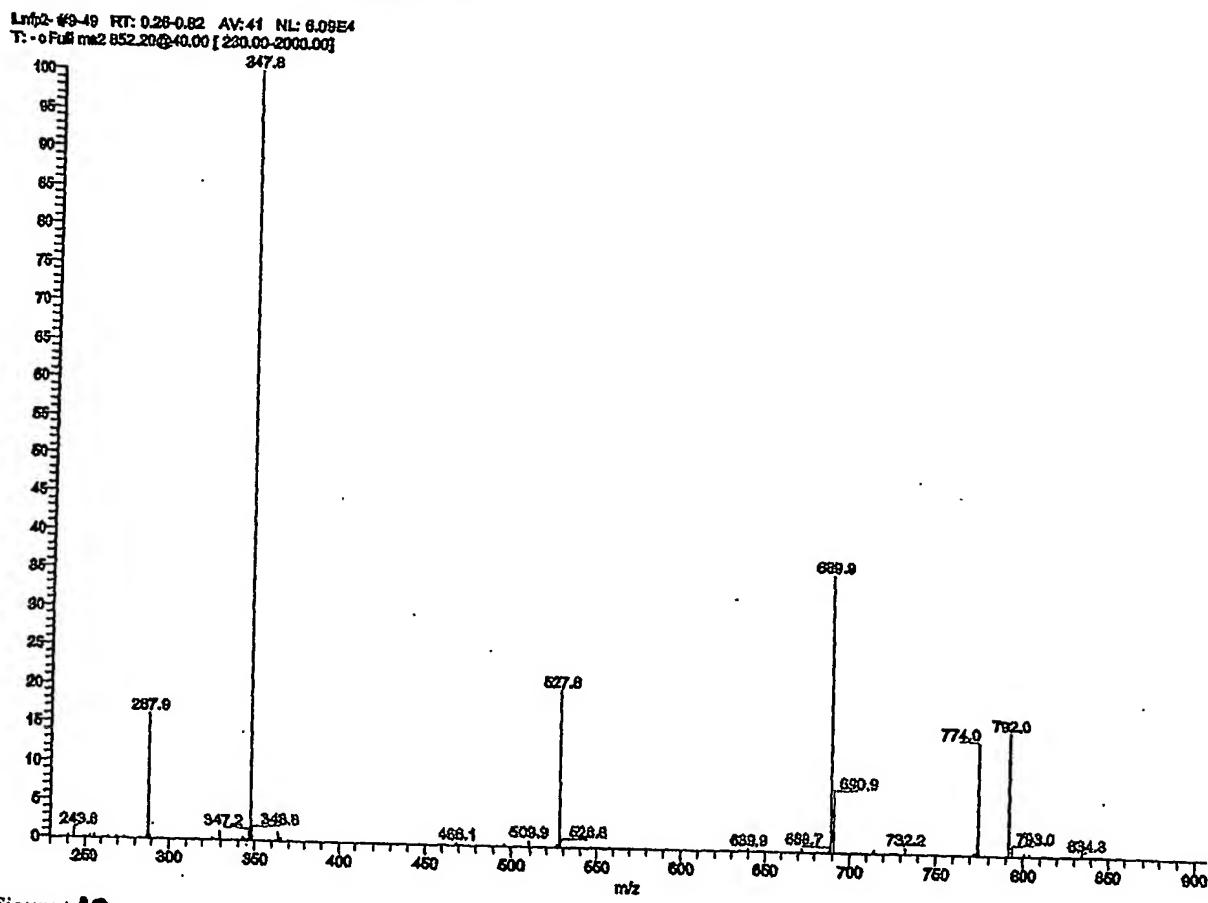


Figure: 10

Score	Missed Intensities	Grouping score	Structure
1	29.91	4 out of 4	Fuc _{al} delchachi—3 Gal bi—4 Glc ealbi
1 .	131.43	4 out of 4	Fuc at 2 Gal b1 4 GlcMAcb1 3 Gal b1 4 Glc
1	131.43	4 out of 4	Fue at——2 Gal bi——3 GlcNAcbi——3 Gal bi——4 Glc
1	131.43	4 out of 4	Fuc a1—— 2 Gal b1—— 3 GlcMAcb1—— 3 Gal b1—— 4 Glc
9375	124.3	4 out of 4 using 1 double fragment	Gal bi — 2 Gal ai 2 Gal bi — 3 Gal NAc
.75	124.87	3 out of 4	Gal _{bi} . Gal bi — 3 Gal NRc Fuc ^{al}
5	190.01	2 out of 4 using 2 double fragments	Galhachi—4 Glcabi—3 Galhi—3 Galbi—4 Xyl

Fig 11.

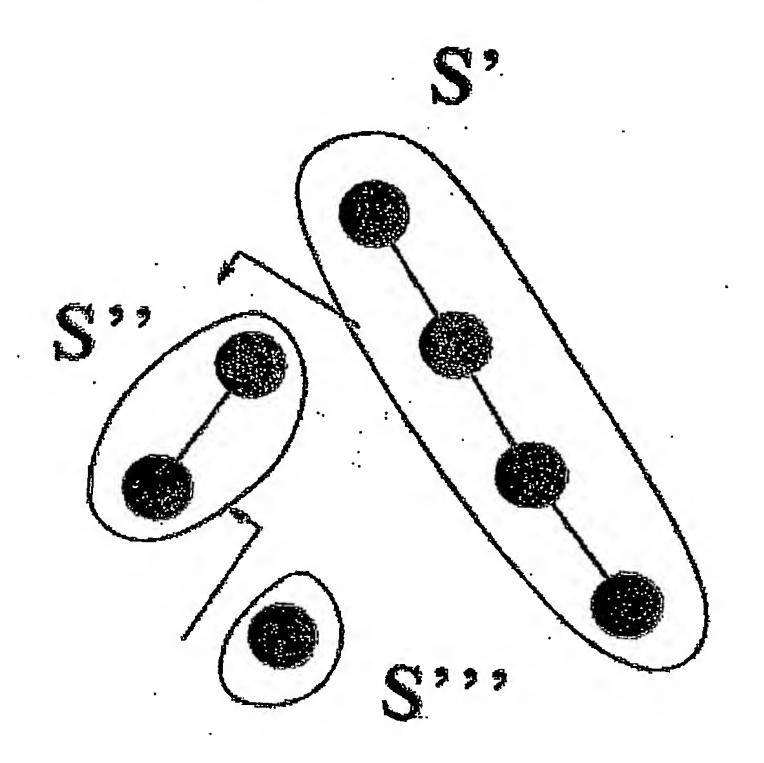
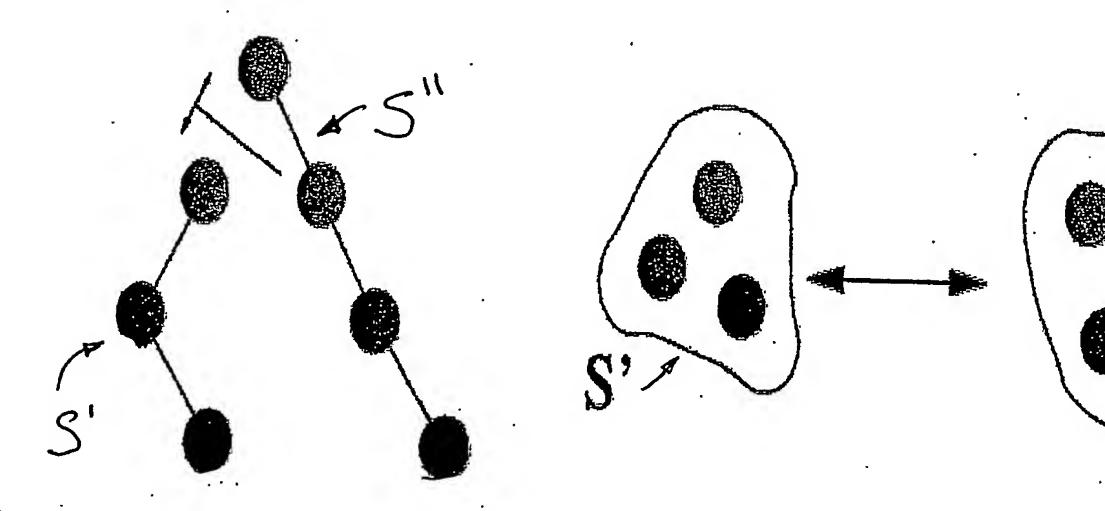


Fig. 13

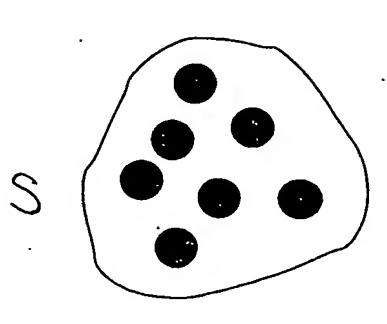


F14.12

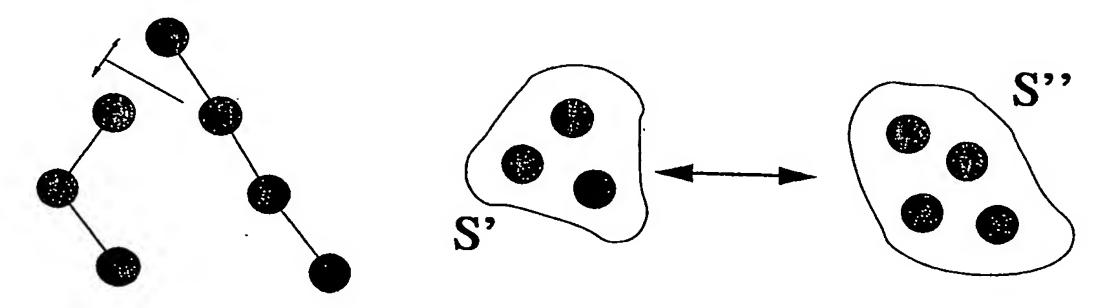
Fig. 14

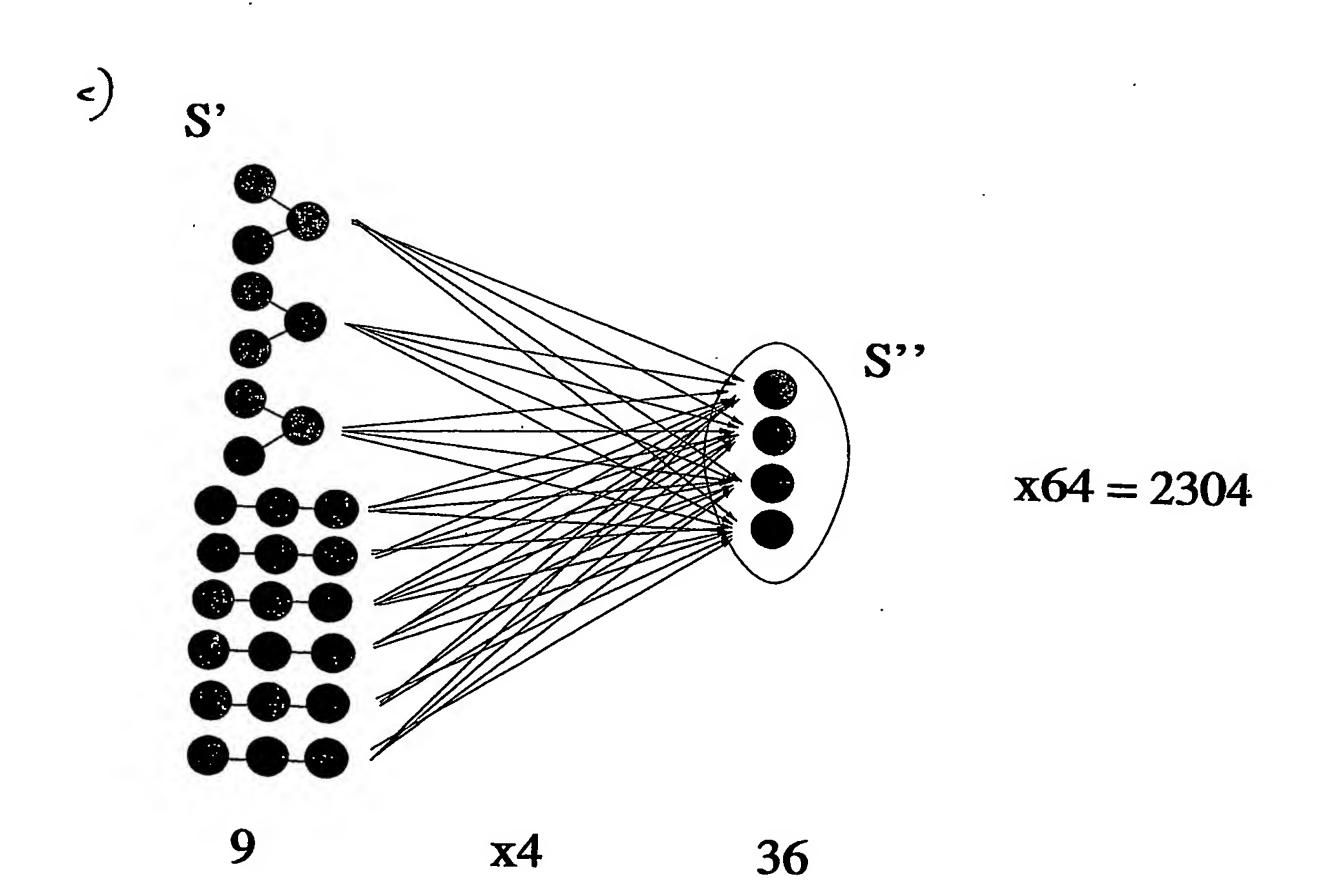
a)

No evidence



Single fragmentation





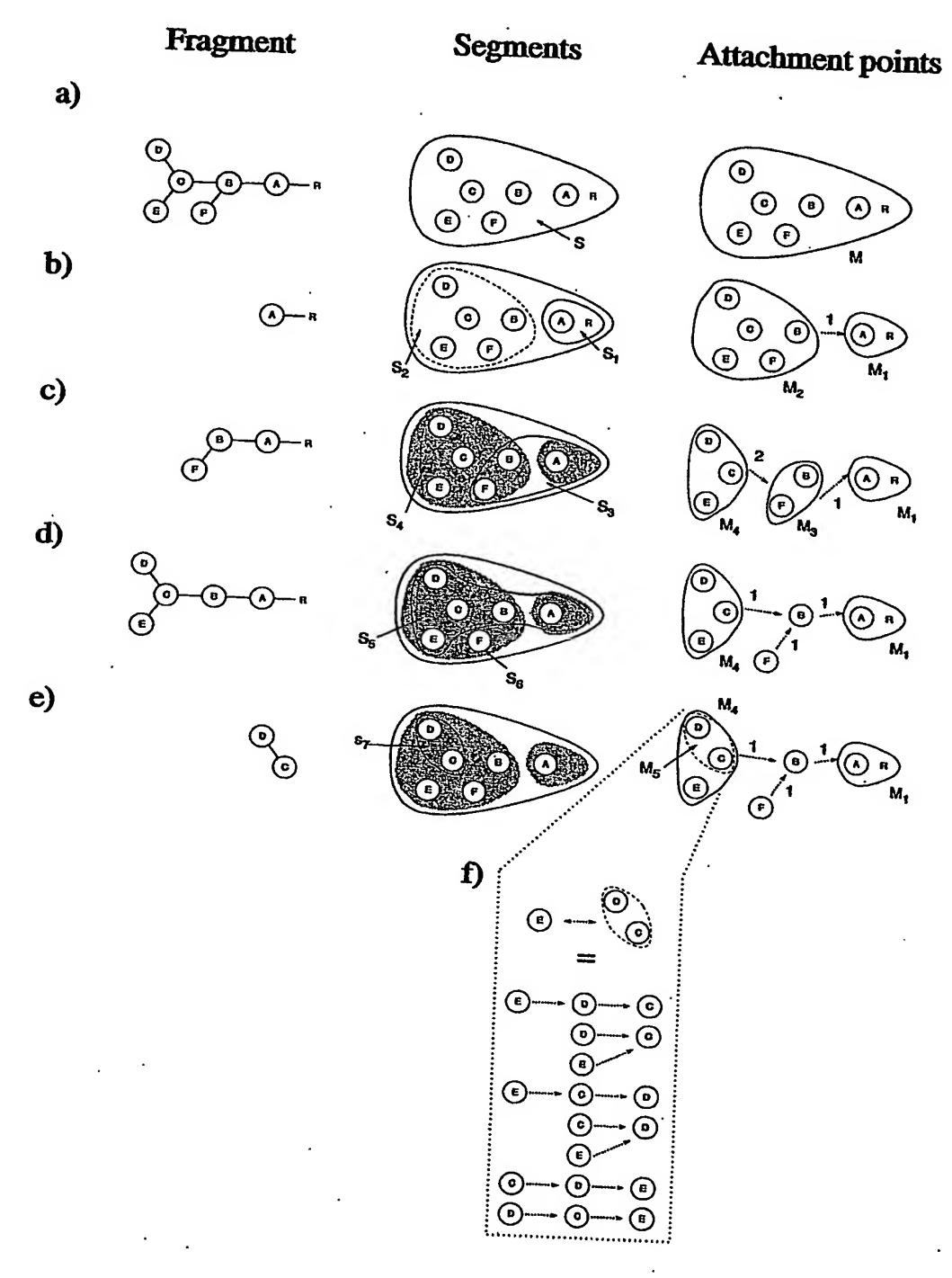


Fig 15

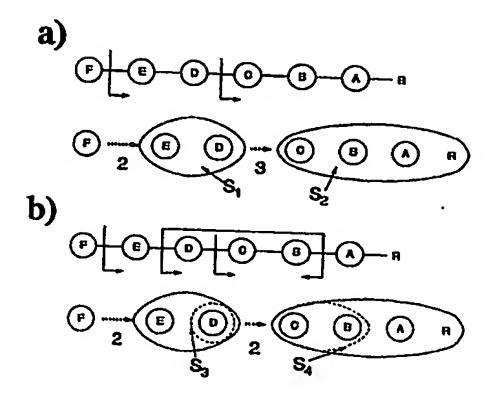


Fig. 16